

IAP19 Per'd PCT/PFO 20 APR 2009

**PATENT APPLICATION****IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re the Application of

Yoshiyuki SHIRAKAWA et al.

ATTN: [OIPE] [Mail Stop PCT]

Application No.: 10/584,838

Docket No.: 128484

Filed: June 27, 2006

For: DIRECTION FINDING RADIATION DETECTOR, AND RADIATION  
MONITORING METHOD AND APPARATUS**CORRECTED FILING RECEIPT STATUS REQUEST**

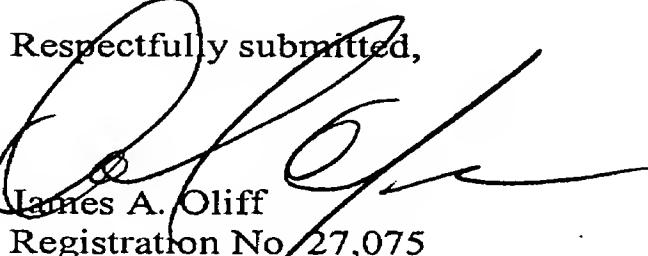
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

A Request for Correction of PALM Records was filed on March 7, 2008. A copy of the Request and a copy of the Patent Office date-stamped acknowledgement receipt are attached hereto.

The corrected Filing Receipt has not yet been received. It is respectfully requested that the corrected Filing Receipt be immediately forwarded to the attorneys of record at the address set forth below.

If there are any questions regarding this matter, please contact the undersigned at the telephone number set forth below.

Respectfully submitted,  
  
James A. Oliff  
Registration No. 27,075

Daniel A. Tanner, III  
Registration No. 54,734

JAO:MJS/acd

Date: April 20, 2009

**OLIFF & BERRIDGE, PLC**  
**P.O. Box 320850**  
**Alexandria, Virginia 22320-4850**  
**Telephone: (703) 836-6400**

**PTO RECEIPT FOR FILING OF PAPERS****Delivery ▶ Mail Room****The following papers have been filed:**

PCT Trans.; Submission of Sub Dec.; Dec.; Req. Corr. of PALM; Marked-up Filing Receipt.

<b>Name of Applicant:</b>	Yoshiyuki SHIRAKAWA; Toshiya YAMANO
<b>Serial No.:</b>	10/584,838
<b>Attorney File No.:</b>	128484
<b>Title:</b>	Direction Finding Radiation Detector, and Radiation Monitoring Method and Apparatus
<b>Sender's Initials:</b>	JAO:ABF/krw
<b>Assignee:</b>	NATIONAL INSTITUTE OF RADIOLOGICAL SCIENCES et al.

**PATENT OFFICE DATE STAMP****COPY TO BE STAMPED BY PATENT OFFICE  
AND RETURNED BY MESSENGER**

**PATENT APPLICATION****IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re the Application of

Attn: OIPE

Yoshiyuki SHIRAKAWA et al.

Group Art Unit: 2884

Application No.: 10/584,838

Docket No.: 128484

Filed: June 27, 2006

For: DIRECTION FINDING RADIATION DETECTOR, AND RADIATION  
MONITORING METHOD AND APPARATUS**REQUEST FOR CORRECTION OF PALM RECORDS**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Attached is a photocopy of the original filing receipt on which errors have been corrected in red. These errors are being brought to the attention of the Patent and Trademark Office so that it may correct its records.

Respectfully submitted,

James A. Oliff  
Registration No. 27,075

Andrew B. Freistein  
Registration No. 52,917

JAO:ABF/krw

Date: March 7, 2008

OLIFF & BERRIDGE, PLC  
P.O. Box 320850  
Alexandria, Virginia 22320-4850  
Telephone: (703) 836-6400

DEPOSIT ACCOUNT USE  
AUTHORIZATION  
Please grant any extension  
necessary for entry;  
Charge any fee due to our  
Deposit Account No. 15-0461



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
[www.uspto.gov](http://www.uspto.gov)

APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
10/584,838	06/27/2006	2884	900	128484	9	1

25944  
 OLIFF & BERRIDGE, PLC  
 P.O. BOX 320850  
 ALEXANDRIA, VA 22320-4850

**CONFIRMATION NO. 3451**  
**CORRECTED FILING RECEIPT**



Date Mailed: 11/26/2007

Receipt is acknowledged of this non-provisional patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections.

**Applicant(s)**

Yoshiyuki Shirakawa, Chiba, JAPAN; Toshiya Yamano, Tokyo, JAPAN

**Assignment For Published Patent Application**

National Institute of Radiological Sciences, Chiba-shi, JAPAN  
 Aloka Co., Ltd., Tokyo, JAPAN

**Power of Attorney:** The patent practitioners associated with Customer Number 25944

**Domestic Priority data as claimed by applicant**

This application is a 371 of PCT/JP2006/300148 01/10/2006

**Foreign Applications**

JAPAN 2005-014578 01/21/2005

**If Required, Foreign Filing License Granted:** 06/21/2007

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 10/584,838**

**Projected Publication Date:** Not Applicable

**Non-Publication Request:** No

**Early Publication Request:** No

**Title**

Direction Finding Radiation Detector, and Radiation Monitoring Method and Apparatus

**Preliminary Class**

250

**PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES**

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result in a grant of "an international patent"** and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4158).

**LICENSE FOR FOREIGN FILING UNDER**

**Title 35, United States Code, Section 184**

**Title 37, Code of Federal Regulations, 5.11 & 5.15**

**GRANTED**

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as

**PATENT APPLICATION****IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re the Application of  
 Yoshiyuki SHIRAKAWA et al.  
 Application No.: 10/584,838

Filed: June 27, 2006

**MAIL STOP ASSIGNMENT  
RECORDATION SERVICES**

Docket No.: 128484

For: DIRECTION FINDING RADIATION DETECTOR, AND RADIATION MONITORING METHOD AND APPARATUS

**REQUEST FOR CORRECTED NOTICE OF  
RECORDATION OF ASSIGNMENT DOCUMENT**

Director of the U.S. Patent and  
 Trademark Office  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

Sir:

Two Assignment Cover Sheets were filed with the application on June 27, 2006. The Notice of Recordation of Assignment Document omits the second inventor and second assignee.

A copy of the Notice of Recordation of Assignment Document with the corrections noted is attached, along with copies of the recorded Assignments and the Assignment Cover Sheets. The Notice of Recordation of Assignment Document received from the Patent Office on August 8, 2006 contains only one Assignment Cover Sheet. A copy of the second Assignment Cover Sheet, as originally filed, is attached hereto.

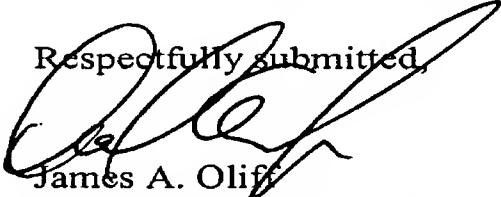
Applicant respectfully requests that the Notice of Recordation of Assignment Document be corrected so that the second inventor and second assignee be added as:

Toshiya YAMANO

Aloka Co., Ltd.  
 6-22-1, Mure  
 Mitaka-shi, Tokyo 181-8622  
 Japan

Please also add the filing date as: 06/27/2006.

As the error was made by the Patent and Trademark Office, it is believed that no fee is due. However, please credit or debit Deposit Account No. 15-0461 as necessary to effect entry of the attached corrections.



Respectfully submitted,  
 James A. Oliff  
 Registration No. 27,075

Daniel A. Tanner, III  
 Registration No. 54,734

JAO:MJS/acd  
 Date: April 20, 2009

**OLIFF & BERRIDGE, PLC**  
**P.O. Box 320850**  
**Alexandria, Virginia 22320-4850**  
**Telephone: (703) 836-6400**

<b>DEPOSIT ACCOUNT USE AUTHORIZATION</b> Please grant any extension necessary for entry; Charge any fee due to our Deposit Account No. 15-0461
--

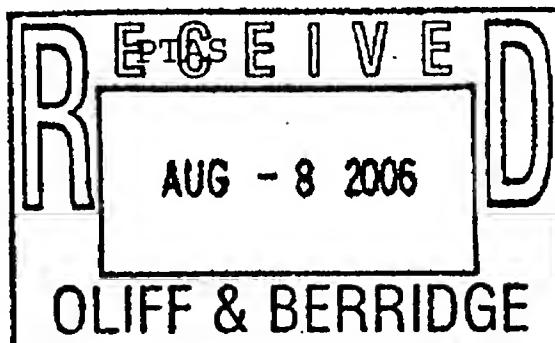


## UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

AUGUST 01, 2006

JAMES A. OLIFF  
OLIFF & BERRIDGE, PLC  
P.O. BOX 19928  
ALEXANDRIA, VA 22320



\*103271597A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT SERVICES BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 06/27/2006

REEL/FRAME: 018030/0847  
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).  
DOCKET NUMBER: 128484

## ASSIGNOR:

SHIRAKAWA, YOSHIYUKI  
Yamano, Toshiya

DOC DATE: 06/01/2006

## ASSIGNEE:

NATIONAL INSTITUTE OF RADIOLOGICAL  
SCIENCES  
9-1, ANAGAWA 4-CHOME, INAGE-KU  
CHIBA-SHI, CHIBA 263-8555, JAPAN

Aloka Co., Ltd.  
6-22-1, Mure  
Mitaka-shi, Tokyo 181-8622  
Japan

SERIAL NUMBER: 10584838

FILING DATE: 06/27/2006

PATENT NUMBER:

ISSUE DATE:

TITLE: DIRECTION FINDING RADIATION DETECTOR, AND RADIATION MONITORING  
METHOD AND APPARATUS

018030/0847 PAGE 2

ASSIGNMENT SERVICES BRANCH  
PUBLIC RECORDS DIVISION

HJD 58740

AP20 Rec'd PCT/PY 27 JUN 2006

Mail Stop:  
Assignment Recordation Services  
Director of the U.S. Patent  
and Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450

RECORDATION FORM COVER SHEET  
PATENTS ONLYU.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

07-11-2006



103271597

Attorney Docket No. 128484

Please record the attached original document or copy thereof.

## 1. A. Name of conveying party:

Yoshiyuki SHIRAKAWA

## B. Additional name(s) of conveying party(ies) attached?

 Yes  No

## 3. A. Nature of conveyance:

 Assignment Merger Security Agreement Change of Name Other \_\_\_\_\_

## B. Execution Date: June 1, 2006

## 2. A. Name and address of receiving party

NATIONAL INSTITUTE OF  
RADIOLOGICAL SCIENCES  
9-1, ANAGAWA 4-CHOME, INAGE-KU,  
CHIBA-SHI, CHIBA 263-8555  
JAPAN

## B. Additional name(s) &amp; address(es) attached?

 Yes  No4.  This document is being filed together with a new application.

A. Patent Application No.(s) \_\_\_\_\_

B. Patent No.(s) \_\_\_\_\_

10/584838

Additional numbers attached?  Yes  NoC. Title of Application: DIRECTION FINDING RADIATION DETECTOR, AND RADIATION MONITORING METHOD AND APPARATUS

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: James A. Oliff

07/06/2006 SKYMPAGH 00000153 10584838

40.00 DP

04 FC:8021

Address: OLIFF & BERRIDGE, PLC  
P.O. Box 19928  
Alexandria, VA 22320

## 6. Total number of applications and patents involved: 1

7. A. Total fee (37 CFR 3.41).....\$ 40.00

B. Enclosed (Check No. 181365 )

8. Credit any overpayment or charge any underpayment to deposit account number 15-0461.

## 9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Date: June 27, 2006

James A. Oliff Registration No. 27,075  
Jesse O. Collier Registration No. 53,839

Total number of pages including cover sheet, attachments, and document: 2

6-27-06

Mail Stop:  
 Assignment Recordation Services  
 Director of the U.S. Patent  
 and Trademark Office  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

**RECORDATION FORM COVER SHEET  
PATENTS ONLY**

**U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office**

Attorney Docket No. 128484

Please record the attached original document or copy thereof.

<p>1. A. Name of conveying party:  <b>Toshiya YAMANO</b></p> <p>B. Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. A. Name and address of receiving party:  <b>ALOKA CO., LTD. 6-22-1, MURE MITAKA-SHI, TOKYO 181-8622 JAPAN</b></p> <p>B. Additional name(s) &amp; address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. A. Nature of conveyance:  <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____</p> <p>B. Execution Date: <u>June 1, 2006</u></p>	
<p>4. <input checked="" type="checkbox"/> This document is being filed together with a new application.</p>	
<p>A. Patent Application No.(s) _____</p>	<p>B. Patent No.(s) _____</p>
<p>Additional numbers attached? <input type="checkbox"/> Yes <input type="checkbox"/> No</p>	
<p>C. Title of Application: <b><u>DIRECTION FINDING RADIATION DETECTOR, AND RADIATION MONITORING METHOD AND APPARATUS</u></b></p>	
<p>5. Name and address of party to whom correspondence concerning document should be mailed:  Name: <u>James A. Oliff</u></p> <p>Address: <b>OLIFF &amp; BERRIDGE, PLC P.O. Box 19928 Alexandria, VA 22320</b></p>	<p>6. Total number of applications and patents involved: <u>1</u></p> <p>7. A. Total fee (37 CFR 3.41).....\$ <u>40.00</u> B. Enclosed (Check No. <u>181366</u>)</p> <p>8. Credit any overpayment or charge any underpayment to deposit account number 15-0461.</p>
<p>9. Statement and signature. <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i></p>	
<p>Date: <u>June 27, 2006</u></p> <p>James A. Oliff Registration No. 27,075 Jesse O. Collier Registration No. 53,839</p> <p>Total number of pages including cover sheet, attachments, and document: <u>2</u></p>	

## **ASSIGNMENT**

(1) Yoshiyuki SHIRAKAWA (5) \_\_\_\_\_  
(2) \_\_\_\_\_ (6) \_\_\_\_\_  
(3) \_\_\_\_\_ (7) \_\_\_\_\_  
(4) \_\_\_\_\_ (8) \_\_\_\_\_

In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, each undersigned agrees to assign, and hereby does assign, transfer and set over to

(9) Insert Name of Assignee (9) National Institute of Radiological Sciences  
(10) Insert Address of Assignee (10) 9-1, Anagawa 4-chome, Inage-ku, Chiba-shi, Chiba 263-8555 Japan

(hereinafter designated as the Assignee) and Assignee's heirs, successors, assigns and legal representatives, the entire right, title and interest for the United States of America as defined in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all provisional, non-provisional, divisional, continuation, international, confirmation, substitute and reissue application(s), and all Letters Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as

(11) Insert Identification such as Title, Case Number, or Foreign Application Number (11) Direction finding radiation detector, and radiation monitoring method and apparatus  
(Attorney Docket No. 128484 )

for which the undersigned has (have) executed an application for patent in the United States of America  
on even date herewith or

(12) Insert Date of  
Signing of  
Application (12) on \_\_\_\_\_

(13) Alternative Identification for filed applications (13) U.S. application Serial Number \_\_\_\_\_  
filed June 27, 2006

1) Each undersigned agrees to execute all papers necessary in connection with any application and any continuing, divisional or reissue applications for the invention, and any patent(s) issuing thereon, and also to execute separate assignments in connection with such applications and patents as the Assignee may deem necessary.

applications and patents as the Assignee may deem necessary.

2) Each undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning any application or continuation or division thereof, or any patent or reissue application based thereon, for the invention, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

5) Each undersigned authorizes and requests the Commissioner of the U.S. Patent and Trademark Office to issue any and all Letters Patents of the United States resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and covenants that he has full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreements in conflict herewith, and agrees that this assignment is binding on him and his heirs, successors, assigns and legal representatives.

and agrees that this assignment is binding on him and his heirs, successors, assigns and legal representatives.

6) Each undersigned hereby grants the firm of OLIFF & BERRIDGE, PLC the power to insert on this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

**ASSIGNMENT**

(1-8) Insert Name(s) of Inventor(s)

(1) Toshiya YAMANO (5) \_\_\_\_\_  
 (2) \_\_\_\_\_ (6) \_\_\_\_\_  
 (3) \_\_\_\_\_ (7) \_\_\_\_\_  
 (4) \_\_\_\_\_ (8) \_\_\_\_\_

In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, each undersigned agrees to assign, and hereby does assign, transfer and set over to

(9) Insert Name of Assignee  
 (10) Insert Address of Assignee

(9) ALOKA Co., Ltd.  
 (10) 6-22-1, Mure, Mitaka-shi, Tokyo 181-8622 Japan

(hereinafter designated as the Assignee) and Assignee's heirs, successors, assigns and legal representatives, the entire right, title and interest for the United States of America as defined in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all provisional, non-provisional, divisional, continuation, international, confirmation, substitute and reissue application(s), and all Letters Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as

(11) Insert Identification such as Title, Case Number, or Foreign Application Number

(11) Direction finding radiation detector, and radiation monitoring method and apparatus  
 (Attorney Docket No. 128484)

for which the undersigned has (have) executed an application for patent in the United States of America on even date herewith or

(12) Insert Date of Signing of Application

(12) on \_\_\_\_\_

(13) Alternative Identification for filed applications

(13) U.S. application Serial Number \_\_\_\_\_  
 filed June 27, 2006

- 1) Each undersigned agrees to execute all papers necessary in connection with any application and any continuing, divisional or reissue applications for the invention, and any patent(s) issuing thereon, and also to execute separate assignments in connection with such applications and patents as the Assignee may deem necessary.
- 2) Each undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning any application or continuation or division thereof, or any patent or reissue application based thereon, for the invention, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.
- 3) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.
- 4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignee.
- 5) Each undersigned authorizes and requests the Commissioner of the U.S. Patent and Trademark Office to issue any and all Letters Patents of the United States resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and covenants that he has full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreements in conflict herewith, and agrees that this assignment is binding on him and his heirs, successors, assigns and legal representatives.
- 6) Each undersigned hereby grants the firm of OLIFF & BERRIDGE, PLC the power to insert on this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date	<u>June 1, 2006</u>	Inventor Signature	<u>Toshiya YAMANO</u> (Toshiya YAMANO) (SEAL)
Date	_____	Inventor Signature	_____ (SEAL)
Date	_____	Inventor Signature	_____ (SEAL)
Date	_____	Inventor Signature	_____ (SEAL)
Date	_____	Inventor Signature	_____ (SEAL)
Date	_____	Inventor Signature	_____ (SEAL)
Date	_____	Inventor Signature	_____ (SEAL)
Date	_____	Inventor Signature	_____ (SEAL)